

This project will be due before the end of class either Monday May 15 or Wednesday May 17. You will demonstrate it to me. This project will be worth 30% of your grade.

What Do You Have to Do?

1. Create classes and data retrieval/maintenance methods for the Reviews and Members tables. I will provide you with the classes for the Film related tables(Films, Categories & FilmCategories).
2. I will provide you with the code to implement the film CRUD methods.
3. Create a suitable master page and dropdown menu
4. Implement the required pages outlined in this document(FilmList, ViewFilm, Maintain Members, MyProfile and Write a Review).
5. We probably will not get to the security portion of the project.

Web Based Project Management

Regardless of which development methodology we decide to use there are things we need to do before we can do any coding. Here are my ideas on what we need to know before we start coding the final site.

1. What is the purpose of the website?
2. Who will be using the site?
3. How will they be using it?
4. What kind of security does our site need?
5. Gathering of images, data and sample pages that may be used in the final site.
6. A preliminary database Entity Relationship Diagram(ERD).

Preliminary Design

Here are some answers to the above questions:

1. Purpose of website

The Lakeside Art Film Group has met for a couple of years at various sites to view films/dvds related to art. Some of these films are rebroadcasts of PBS shows and almost all of them are documentary in nature. After a communal viewing of a film, the group has a general discussion of the work as well as any comments on the subject matter. The group would like to formally record the reviews of the members and have a central place where information on all the films can be found. They also wish to show additional resources members can use to further study the film.

2. Who will be using the site?

Anyone can view the film and review data but only members of the group can post their own reviews. The group is very democratic and anyone can join. One person in the group is designated as the administrator and he/she will setup a new member as well as post/update the film data.

3. How will people use the website?

Anyone can view the film/review data but only members can post reviews. A login screen will be used to authenticate members.

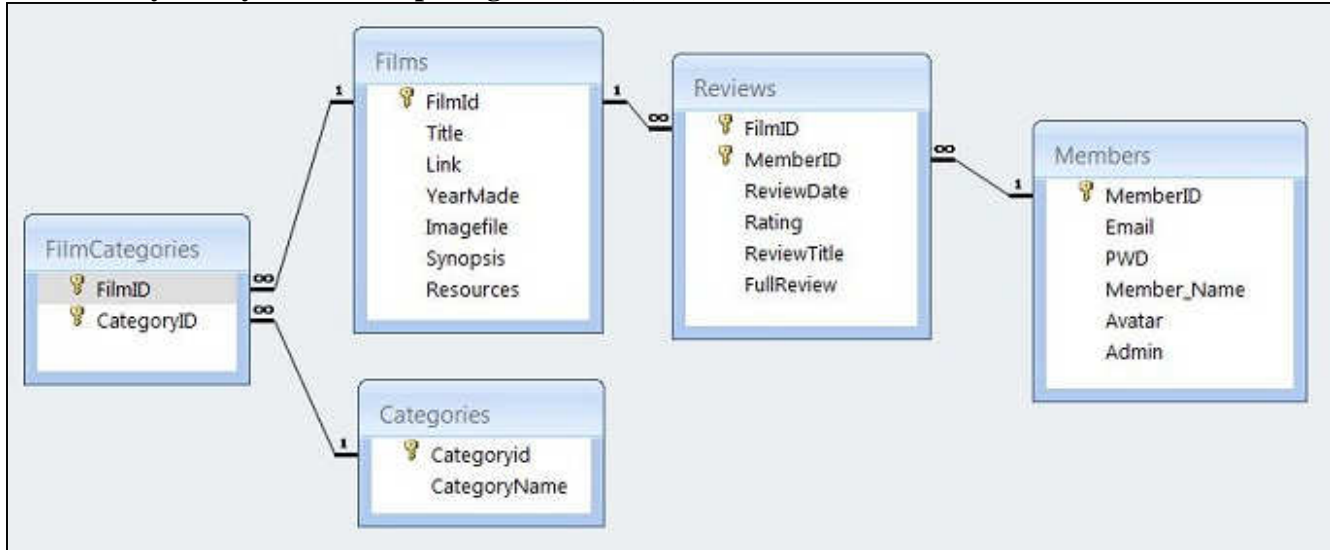
4. What kind of security does our site need?

We will use forms authentication so that a user must present their id and password before they can post a review. Role based security will be used and authenticated users will be either in the admin or member role. Due to the small and select group, we are not going to be too concerned about SQL injection attacks or cross site scripting. We also need to allow a wide range of data to be inputted to support the film biodata as well as review data.

5. Do we have any sample data/images?

The Internet Movie Database is an excellent spot to get a photo of the dvd and as well as most of the bio data on a film. There are reviews on this site whose format we can copy as well as Rotten Tomatoes for review examples. Sample avatar images can be found online and users can make up their own using a paint software program.

6. Preliminary Entity Relationship Diagram(ERD)



The group recognizes that there are many good sites that contain excellent biographic data about each film (PBS and Internet Movie Database). They do not wish this site to compete with either one which is why the amount of data recorded for each film seems small. The synopsis and resources fields are of a memo type and can store a tremendous amount of data that will be of a freeform nature. We need to handle carriage return/line feed combinations and allow for almost any input including html tags in the Resources field in the Films table.

General Help

1. Global Database Connection Object

We can use this global dbcon statement to create the connection object:

```

1 SqlConnection dbcon = new SqlConnection(ConfigurationManager.
2    .ConnectionStrings["lakesidedb"].ConnectionString.ToString());
  
```

The variable will be created when the controller module is started.

2. Beware max-width in Site.css file

There is a directive that limits the maximum width of all input related tags to 280px, You can override this on each individual tag by using this inline style statement `style="max-width:xxxpx;width:xxxpx"`.

3. Mind your Cache!

This seems to be more a problem with Chrome than with the other 2 browsers. To do it in Chrome you can issue the Ctrl-Shift-Delete command which will bring up the Clear browsing data dialog box. Choose the past hour or day option and then click the Clear browsing data button.

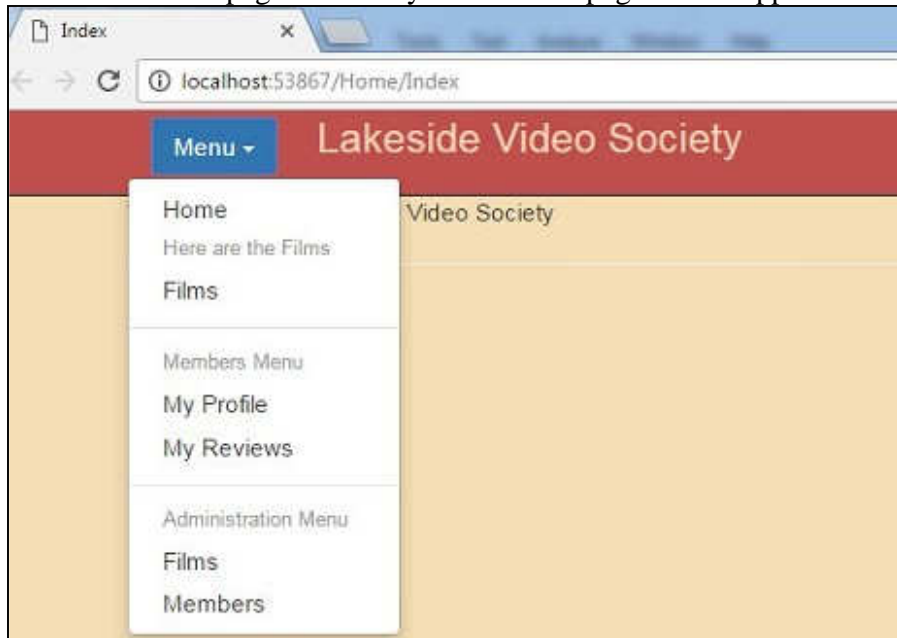
4. Do not try and Run with Serious Errors!

It is tempting to run your project with in spite of serious errors. many times this may work but there are times when serious debugging problems may result. Comment out code until a clean compile is achieved.

Required Pages

1. MasterPage and Home

You need to create a MasterPage that will contain the name of the Film Society along with a navigational menu. The Home/Index page will always be the start page for the application.



2. FilmList

Clicking on the View Films menu link will bring up this page. This page presents a dropdownlist showing all the categories. The first category is preselected but the user can change the selected value in the dropdownlist and display only films that are in the new category.



The screenshot shows a web browser window with the address bar displaying 'localhost:53867/Film/FilmList/1'. The page title is 'Lakeside Video Society'. A 'Menu' button is visible. Below the menu, there is a 'Choose a Category:' dropdown menu with 'Documentary' selected. The page displays two film entries:

| Film Title | Year | Runtime | Directors | Writers | Stars | Synopsis |
|---------------------------|------|-----------|----------------------------|----------------------------|---|--|
| THE RAPE OF EUROPA | 2006 | 1hr 57min | Richard Berge, Bonni Cohen | Richard Berge, Bonni Cohen | Joan Allen, E. Randol Schoenberg, Maria Altmann | THE RAPE OF EUROPA takes the audience on a journey through seven countries telling a story of greed and warfare that threatened the artistic heritage of Europe. For twelve years, the Nazis looted and destroyed art. Young art historians and curators from America and across Europe fought back, mounting a campaign to rescue and return countless art works displaced by the war. Joan Allen narrates this chronicle about the battle over centuries of western culture. |
| MARWENCOL | 2010 | 1hr 23min | Jeff Malmberg | | Mark Hogancamp, Emmanuel Nneji, Edda Hogancamp | "Marwencol" is a documentary about the fantasy world of Mark Hogancamp. After being beaten into a brain-damaging coma by five men outside a bar, Mark builds a 1/6th scale World War II-era town in his backyard. Mark populates the town he dubs "Marwencol" with dolls representing his friends and family and creates life-like photographs detailing the town's many relationships and dramas. |

This page displays the data in the synopsis column of the Films table. This field can contain carriage return line feed character combinations. You need to use this "special" htmlhelper function in the view so that the synopsis field is properly displayed:

```
@Html.Raw(@item.Synopsis.ToString().Replace(Environment.NewLine, "<br />"))
```


3. View Film


This page presents all the bio data on a film. It contains a "hot" link to the Internet Movie Database or another 3rd party site. The page contains the additional resource information as well as the reviews made so far.

ViewFilm

localhost:53867/film/ViewFilm/2

Menu

Lakeside Video Society



Marwencol

<http://www.imdb.com/title/tt1391092/>
2010 1hr 23min
Director: Jeff Malmberg
Stars: Mark Hogancamp, Emmanuel Nneji, Edda Hogancamp

"Marwencol" is a documentary about the fantasy world of Mark Hogancamp. After being beaten into a brain-damaging coma by five men outside a bar, Mark builds a 1/6th scale World War II-era town in his backyard. Mark populates the town he dubs "Marwencol" with dolls representing his friends and family and creates life-like photographs detailing the town's many relationships and dramas. Playing in the town and photographing the action helps Mark to recover his hand-eye coordination and deal with the psychic wounds of the attack. When Mark and his photographs are discovered, a prestigious New York gallery sets up an art show. Suddenly Mark's homemade therapy is deemed "art", forcing him to choose between the safety of his fantasy life in Marwencol and the real world that he's avoided since the attack.


Additional Internet Resources

Director talks with students at UC Berkely [Youtube Video](#)

Interview with Jeff Malmberg on Bring Your Own Documentary [Youtube Video](#)

Member Reviews

★★★★★




Hal Johnson
Review: 4/1/2016
12:00:00 AM

Strange and ultimately mystifying documentary

Like IN THE REALMS OF THE UNREAL, this documentary explores an "outsider artist" who shares his life between reality and a fantasy world of his own construction. Mark Hogancamp's miniature WWII town of "Marwencol" is far less bizarre than Darger's creation, but serves as a reflection of his frustrations, desires, and imagination. It truly is "art as therapy". Director Jeff Malmberg takes a decidedly unflashy approach to the material, mostly just allowing Hogancamp and his associates to speak for themselves. This is really for the best, as Mark is an instantly likable person, not charming so much as open and relatable. The film's revelations are not presented as earth-shattering shockers, but simply facets of a complete person with his own quiet quirks and nagging demons. An understated but fascinating and often inspirational movie about the artist (who didn't know he was one) and the value of art.

★★★★★



Bill Wirth
Review: 4/12/2016
12:00:00 AM

Deeply Moving Film

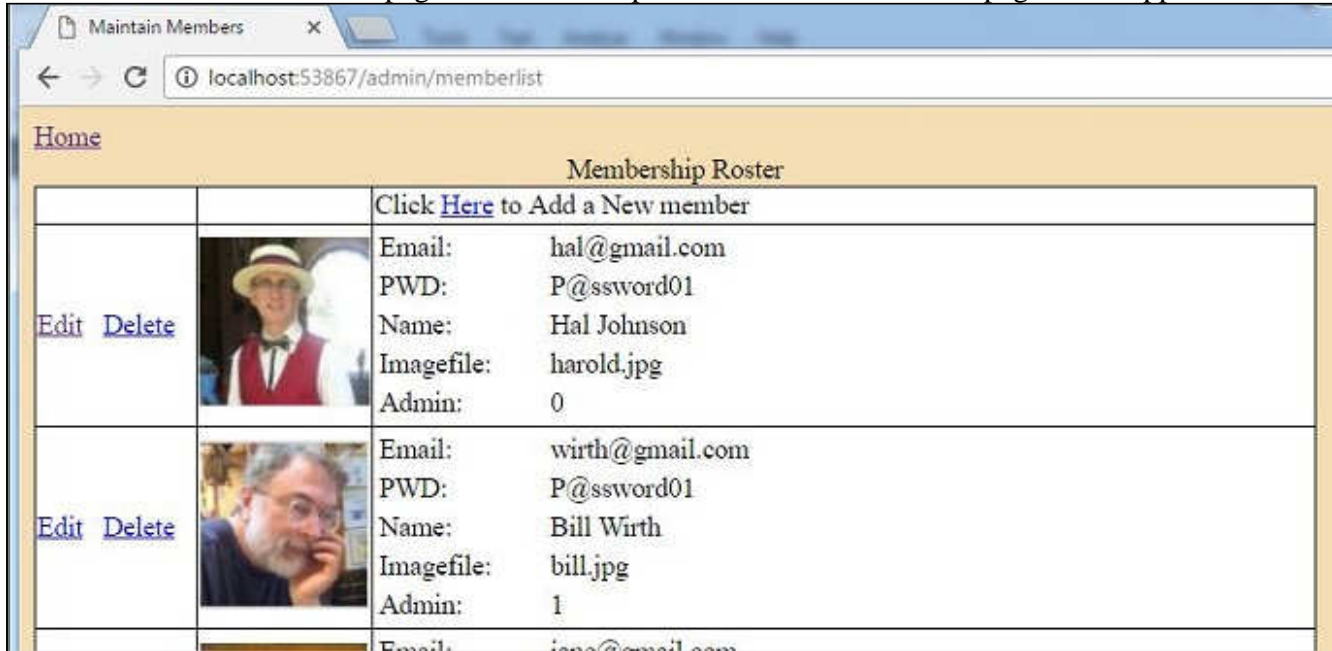
Deeply moving documentary about a man, Mark Hogancamp, who suffered a vicious beating at the hands of some thugs who followed him home from a bar. He suffered some pretty horrible brain damage, losing most of his memories. To deal with the pain, Mark created a fantasy world, a small Belgian town in the midst of WWII, Marwencol, populated with dolls which represent people from his own life. The filmmaking is pretty standard doc stuff, but it's well done and the director handles the big reveals fantastically. Hogancamp is such a wonderfully interesting person - and the stories he tells about Marwencol are actually gripping themselves - that I was completely caught up in the movie. It's easily one of last year's best films.

I created 5 small jpg files for the 5 possible star ratings and called them n_star.jpg.

4. Maintain Members

This is a fairly plain vanilla gridview. I did add a link to insert a new member.

I decided not to use the masterpage and instead to put a link back to the Home page in the upper left hand corner.



Use this code to create a new member when the Click Here link is pressed:

```

1 [HttpPost]
2 public ActionResult MemberCreate()
3 {
4     Member mbr = new Member();
5     mbr.Avatar = "noname.jpg";
6     mbr.Email = "enter value";
7     mbr.MemberName = "enter value";
8     mbr.PWD = "P@ssword01";
9     dbcon.Open();
10    int intresult = Member.CUDMember(dbcon, "create", mbr);
11    dbcon.Close();
12 }

```

When you click on the Edit link this page will come up:

[Back to List](#)

MemberID
1

Email

The Email field is required.

PWD

The PWD field is required.


MemberName

The MemberName field is required.

Avatar
harold.jpg

No file chosen

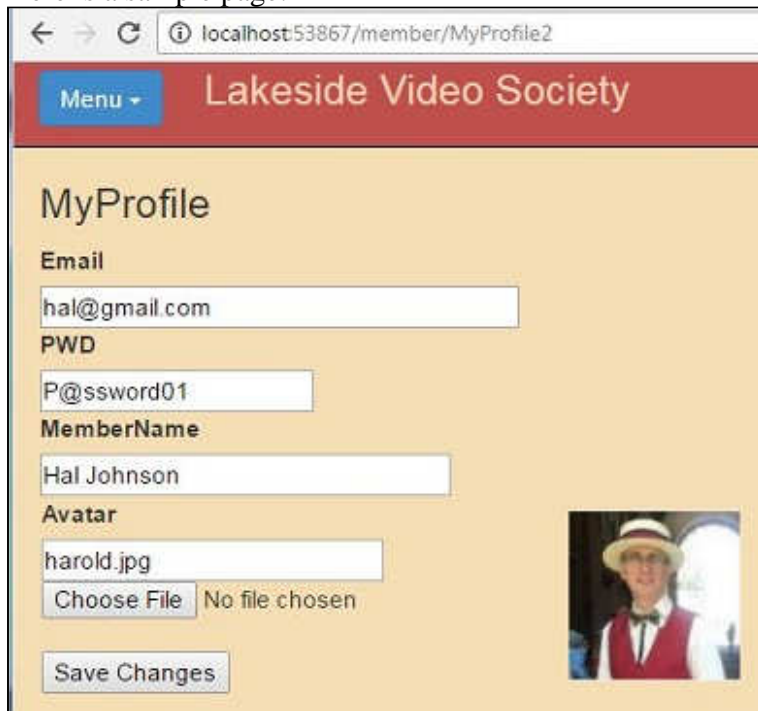
Admin
0



5. MyProfile

Once you get the Edit Member page working you can use the same code to create the MyProfile page in the Member controller.

Here is a sample page:



The screenshot shows a web browser window with the address bar displaying `localhost:53867/member/MyProfile2`. The page has a red header bar with a "Menu" button and the text "Lakeside Video Society". The main content area is titled "MyProfile" and contains a form with the following fields:

- Email**:
- PWD**:
- MemberName**:
- Avatar**: and a "Choose File" button. To the right of the form is a preview of the avatar, which is a photo of a man wearing a hat and a red vest.
- A "No file chosen" text next to the "Choose File" button.
- A "Save Changes" button at the bottom left of the form.

You should note that the Memberid and admin fields are not shown on this form.

6. Write a Review

The page presents a dropdownlist of all the films in the database. The member selects the film and the existing review will come up with Update/Delete button. If a review does not exist then a blank form with a Create button should be presented.

My Reviews x

localhost:53867/Member/Review/2

Menu Lakeside Video Society

Choose a Film: Marwencol

ReviewDate
4/1/2016 12:00:00 AM

Rating
5 - Excellant

ReviewTitle
Strange and ultimately mystifying documentary

FullReview
Like IN THE REALMS OF THE UNREAL, this documentary explores an "outsider artist" who shares his life between reality and a fantasy world of his own construction. Mark Hogancamp's miniature WWII town of "Marwencol" is far less bizarre than Darger's creation, but serves as a reflection of his frustrations, desires, and imagination. It truly is "art as therapy". Director Jeff Malmberg takes a decidedly unflashy approach to the material, mostly just allowing Hogancamp and his associates to speak for themselves. This is really for the best, as Mark is an instantly likable person, not charming so much as open and relatable. The film's revelations are not presented as earth-shattering shockers, but simply facets of a complete person with his own quiet quirks and nagging demons. An understated but fascinating and often inspirational movie about the artist (who didn't know he was one) and the value of art.

Save Delete

You can use this code for the rating dropdownlist box:

```

1 @Html.DropDownListFor(m => m.review.Rating,
2     new SelectList(
3         new List<Object>{
4             new { value = 1 , text = "1 - Awfull"},
5             new { value = 2 , text = "2 - Fair"},
6             new { value = 3 , text = "3 - Okay"},
7             new { value = 4 , text = "4 - Very Good"},
8             new { value = 5 , text = "5 - Excellant"}},
9         "value", "text", 3)
10 )

```


7. Error Handling

We will use a common error page in our application. Create a new view in the Shared folder called error.cshtml and replace the resulting razor code with this:

```
1 @{
2     Layout = null;
3 }
4 <!DOCTYPE html>
5 <html>
6 <head>
7     <meta name="viewport" content="width=device-width" />
8     <title>Error</title>
9 </head>
10 <body>
11     <div>
12         <h2>An error has occurred</h2>
13         <span style="color:red">Error Message : @ViewBag.errorMessage</span>
14         <br /><br />
15         Click <a href="~/home/index">Here</a> to return to Home page
16     </div>
17 </body>
18 </html>
```

To actually call this page we can use this code in the catch blocks:

```
1 try
2 {
3     dbcon.Open();
4     //statements
5 }
6 catch (Exception ex)
7 {
8     @ViewBag.errorMessage = ex.Message;
9     if (dbcon != null && dbcon.State == ConnectionState.Open) dbcon.Close();
10    return View("error");
11 }
```

8. Security

Our goal is to use role based form security for our site. This will be the last part that we will implement. As a stop gap measure, we can use this action method to set the Session["memberid"] variable. Copy this code into the Index.cshtml file:

```
1 @{
2     ViewBag.Title = "Index";
3 }
4 Welcome to the Lakeside Video Society
5 <br /><br />
6 @using (Html.BeginForm("SetMemberid", "Home"))
7 {
8     <text>
9         Current Memberid: <input type="text" name="memberid" style="width:35px"
10             value="@ViewBag.memberid" />
11     <br />
12     <input type="submit" value="Set Memberid" />
13 </text>
14 }@*end of beginform block*
```

Copy this code into the HomeController.cs file:

```
1 // GET: Home
2 public ActionResult Index()
3 {
4     if (Session["memberid"] == null)
5         Session["memberid"] = 1;
6     ViewBag.memberid = Session["memberid"];
7     return View();
8 }
9 [HttpPost]
10 public ActionResult SetMemberid(int memberid)
11 {
12     Session["memberid"] = memberid;
13     return RedirectToAction("index");
14 }
```